

300 $\mu\text{m}$ [No. 50]	10-30	15-45
150 $\mu\text{m}$ [No. 100]	2-10	0-15
75 $\mu\text{m}$ [No. 200]	0-5	0-5

When necessary, material retained on the 4.75 mm [No. 4] sieve may be removed.

The sand shall be subjected to the colorimetric test for organic impurities, AASHTO T21 (ASTM C40), and when a color darker than the reference standard color solution (laboratory designation Plate III) is produced, the material shall be rejected.

705.03 Flexible Gaskets Flexible gaskets, either rubber or plastic, shall conform to AASHTO M198 (ASTM C990).

## SECTION 706 - NON-METALLIC PIPE

706.02 Reinforced Concrete Pipe This pipe shall conform to the requirements of AASHTO M170M/M170 (ASTM C76M/C76). Elliptical pipe shall conform to the requirements of AASHTO M207M/M207. Unless otherwise specified, pipe wall design and use of elliptical reinforcement in circular pipe are optional. Pipe arch shall conform to the requirements of AASHTO M206M/M206.

Aggregates shall meet the requirements of Section 703.01 and Section 703.02 for fine aggregates and coarse aggregates respectively, except that grading requirements are hereby waived.

Precast reinforced concrete special sections shall conform to the requirements of the cited specifications to the extent to which they apply.

706.06 Corrugated Polyethylene Pipe for Underdrain, Option I, and Option III Culvert Pipe This pipe and fittings shall conform to the requirements of AASHTO M252, slot-perforated for 150 mm [6 in] diameter and to AASHTO M294 for 300 mm diameters to 900 mm [12 in to 48 in]. Pipe used for Option III will meet the requirements of AASHTO M294 Type S, Dual Wall. Pipe to be used for Underdrain Type C shall be perforated in accordance with the applicable perforation requirements of AASHTO M294, Class I perforations. All polyethylene pipe shall be smooth lined and shall meet the pipe stiffness requirements shown on the Standard Details. This pipe and resins shall meet the requirements of certification under the Plastic Pipe Institute Third Party Certification

## Program or the American Association of State Highway Transportation Officials National Transportation Product Evaluation Program

706.08 PVC (Polyvinylchloride) Pipe This pipe and fittings shall conform to the requirements of AASHTO M278. All pipe shall be supplied with gasket type joints.

706.09 PVC (Polyvinylchloride) Perforated Pipe This pipe and fittings shall conform to the requirements of AASHTO M278 or ASTM F949 for 150 mm [6 in] underdrain and AASHTO M278 for underdrain larger than 150 mm [6 in] diameter.

### SECTION 707 - METALLIC PIPE

707.02 Corrugated Steel, Metallic Coated Pipe This pipe and special fittings such as elbows, tees, and wyes shall conform to the requirements of AASHTO M36/M36M Type I, IR, II, or III for the specified sectional dimensions, sheet thickness, and coating.

707.05 Corrugated Steel, Metallic Coated Pipe for Underdrain This pipe and special fittings such as elbows, tees, and wyes shall conform to the requirements of AASHTO M36/M36M, Type III, Class 1 perforations.

707.06 Corrugated Aluminum Alloy Pipe and Pipe Arches This pipe and special fittings such as elbows, tees, and wyes shall conform to the requirements of AASHTO M196/M196M, Type I, IR, or II. Special sections, such as elbows and metal end sections, shall be of the thickness called for on the plans and shall conform to the applicable requirements of AASHTO M196/M196M. Aluminum sheet shall conform to the requirements of AASHTO M197/M197M.

707.07 Polymer Precoated, Galvanized Corrugated Steel Pipe and Pipe Arches This pipe and special fittings such as elbows, tees and wyes shall conform to the requirements of AASHTO M245/M245M, Grade 250/75 (Type I, with Type B coating) for the pipe as specified in AASHTO M246/M246M with the thinner coating on the outside.

707.08 Corrugated Aluminum Alloy Pipe for Underdrain This pipe and special fittings such as elbows, tees, and wyes shall conform to the requirements of AASHTO M196/M196M, Type III, Class 1 perforations or Type IIIR, Class 4 perforations.